

Date: Thu, 21 Jul 94 09:09:03 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #822  
To: Info-Hams

Info-Hams Digest                      Thu, 21 Jul 94                      Volume 94 : Issue    822

Today's Topics:

    \$\$ TH-78A Dual Bander \$\$  
    ARLB062 BOD meeting highlights  
    Bicycle generates noise on 20 meters  
        CW on CB  
    Does CW as a pre-req REALLY Work?  
    FCC delays - I contacted my senator  
        FCC Delays now at 17 weeks!  
    FCC is finally getting faster :-)  
        HF station wanted  
    Nikola Tesla - the true father of Radio  
        OMNI Directional Yagi!!!  
    Packet Metabeacons from the Shuttle  
    PSI newsfeeds - Was: rec.radio.amatuer.antenna still alive?  
        QST on News Stands?  
    SAREX Keps/Entry Plasma Trail  
    Sister-in-law gets license quickly

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 21 Jul 94 14:24:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: \$\$ TH-78A Dual Bander \$\$  
To: info-hams@ucsd.edu

Greetings....I'm not really sure if this is appropriate spot to post this  
listing but I'll try and I'm sure someone will correct me...I have a Kenwood

TH-78A Dual Bander that I would like to sell...it comes with the BC-15 Rapid Charger, PB-13 and PB-18 Battery Packs, BT-8 Alkaline Battery Pack, SMC-33 Remote Control Speaker Mic and the ME-1 Memory Board installed. Ext RX/TX mods have been done as has the 800MHZ RX. All are in what I consider to be excellent condition. I'm asking \$390.00 for all...if interested please "reply" here or call 315-268-1810.....also have an ICOM 28H 2Mtr rig for \$225.00.....thanks for reading this....73....Roger/N5IFH....(now where did I put those asbestos shorts?)?)....:

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Date: Wed, 20 Jul 1994 21:37:20 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!  
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!  
chrism@network.ucsd.edu  
Subject: ARLB062 BOD meeting highlights  
To: info-hams@ucsd.edu

gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>In article <\$arlb062.1994@ampr.org> wlaw@arrl.org writes:  
>>

>>The Board commissioned an RF Safety Committee to advise the Board  
>>and staff on safe operating practices for the development of policy  
>>and educational methods and materials. Members to be selected by  
>>the President.

>Hmmm. No mention of the resignation of the entire Bioeffects Committee.  
>I wonder if anyone with legitimate credentials will be willing to be  
>on this new committee.

>Gary

Probably not. I'm sure no one even remotely qualified will even be  
appointed by His Majesty.

Cheers and 73,  
Chris Morrison KG5NK

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Date: 20 Jul 94 12:01:08 CDT  
From: equalizer!timbuk.cray.com!walter.cray.com!rps@network.ucsd.edu  
Subject: Bicycle generates noise on 20 meters  
To: info-hams@ucsd.edu

In article <lfloydCt6y0J.5sn@netcom.com> lfloyd@netcom.com (Larry Floyd) writes:  
>Wayne\_Estes (Wayne\_Estes@csg.mot.com) wrote:

><snip>  
>: 1. The tires create static charges while rolling on the pavement.  
>: 2. The hubs create static charges as metal parts rub against each other.  
><snip>  
>: Does anyone out there in internet-land have any ideas as to the cause and  
>: possible cures to this problem?  
>  
Wayne,

My 2 meter repeater club has a bunch of bicycle mobile folks.  
They found that the bearings were causing a flux in the SWR which then  
created noise on the HT's they were using. One fix for this problem  
(At least of VHF) was to isolate the antenna from the bike frame,  
many folks mount the antenna to the bike rack which intern is mounted to the  
wheel where the noise get created. I would try out a tuned wire for a ground  
and wrap it around a plastic tube and mount it like a tire pump somewhere on  
the bike. Remember ground is 1/2 your antenna.

Russ - N0MRR.

    /\_)                    Russ Starksen  
/ \\_/ \\_/ \\_/ \\_) DBMS Group            Phone#: (612) 683-3635  
-. ----- -. -. . Cray Research Inc. Fax#: (612) 683-3699

rps@cray.com or uunet!cray.com!rps@uunet.UU.NET

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Date: 20 Jul 1994 20:25:01 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: CW on CB  
To: info-hams@ucsd.edu

In article <1994Jul20.115040.1@woods.uml.edu>, martinja@woods.uml.edu  
writes:

>I haven't seen any followup on teaching CW on CB, so --

^^

I've been trying to contact the FCC ever since I posted my article "Ham  
Radio Bootcamp". Does anyone have the FAX number for the FCC? I would  
appreciate it if someone would email it to me! Only faxes seem to get  
noticed these days, I guess. ;-)

- Rob, N1NTE

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Date: Wed, 20 Jul 94 20:22:24 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: Does CW as a pre-req REALLY Work?  
To: info-hams@ucsd.edu

Andrew B. White <k9cw@prairienet.org> writes:

>mentioned, the code test has changed over the years. When I took the  
>Extra the FCC still required 1 minute of error free copy which is a tougher  
>standard than the fill in the blank test.

Drew --

I know that a lot of people think 1 minute of solid copy is tougher than fill-in-the-blanks, but it sure wasn't for me. I passed both 5 and 13 wpm by having well above a minute of solid copy in the middle of the test. Somehow, I think I was too nervous at the beginning and too tired at the end to get those !@\$# callsigns!

73 de Lee/KE3FB in Md.  
leevankoten@delphi.com

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Date: 20 Jul 1994 23:07:48 GMT  
From: noc.near.net!jericho.mc.com!jericho!joe@uunet.uu.net  
Subject: FCC delays - I contacted my senator  
To: info-hams@ucsd.edu

Does anyone know where I can get the Q&A to the New General Test???

Thanks,

HADZ.

--

HADZ (a.k.a Joseph Hadzima)  
(Mercury Computer Systems Inc.)  
(199 Riverneck Road, Chelmsford MA 01824)  
(508-256-1300x223, HOTLINE: 800-872-0040)  
(email joe@mc.com)

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Date: 21 Jul 94 13:20:14 GMT

From: news-mail-gateway@ucsd.edu  
Subject: FCC Delays now at 17 weeks!  
To: info-hams@ucsd.edu

>remember that we are just seeing the results of the prior Years under  
>the Bush administration....no funding no technology upgrades and no new

must be a newbie. the backlog at the FCC started long after Prez. Clinton was elected. Things ran pretty smoothly under the previous presidents..has Clinton finally caught up with the appointments he should have been making? he was behind by quite a bit last year but there's been other news to cover so we don't hear about things like the G7 meetings, appointments not made, how the word "universal" no longer means "100%" and such in the general media.

the cold hard truth is it doesn't really matter who was in the white house.  
as long as they leave things alone and don't monkey with the works.

there are 2 things that have contributed to the backlog.

- 1) more people getting new licenses/renewals than ever before..
- 2) new services the FCC has to administer (such as cable tv regulation..)

and

- 3) switchover to a new computer system...

(the bowling alley took 3 weeks to change over from their old automatic scorers to the new ones and they were "plug compatible" by the same maker...)

So confess! or do i have to get the \_Comfy Chair\_!?

(\_No One\_ Expects The Spanish Inquisition!)

bill wb9ivr

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Date: 21 Jul 1994 03:15:26 GMT  
From: ihnp4.ucsd.edu!agate!soda.berkeley.edu!remailer@network.ucsd.edu  
Subject: FCC is finally getting faster :-)  
To: info-hams@ucsd.edu

My XYL and younger harmonic passed their no-code tech on 26 APR. I passed my upgrade to Tech Plus (plus the written part of the General, but not the 13wpm code :-( on the same night. My elder harmonic passed her upgrade to General on the same night.

The first 3 licenses arrived today, 20 JUL. Total time 12 weeks + 16 hours.  
My elder daughter's upgrade did \_not\_ arrive today (maybe tomorrow).

BTW, \_yes\_, my new license does say TECH PLUS.  
Even though it has a new issue date - 14 JUL, they did \_not\_ extend my  
original expiration date (still 12 OCT 03). Envelope was postma  
rked  
18 JUL.

There's hope for those of you who are still waiting! Now we are a  
whole "hamily".

Jim - N1QNK  
Susan - N1SLB  
Michelle - N1PNT  
Jacquie - N1SLE  
dont assassinate the president heroin  
plutonium plo

-----  
For more information about this anonymous posting service, please send mail  
to remailer@soda.berkeley.edu with Subject: remailer-info.

-----  
To respond to the sender of this message, send mail to  
remailer@soda.berkeley.edu, starting your message with  
the following 7 lines:

::  
Response-Key: ideaclipper

====Encrypted-Sender-Begin====  
MI@``\$MS^P;+]AB?X9TW6\8W2:RP&2')84/Z#14\$K::SV-=/\_`XC``ZK&7<F  
CL-8<E[?M'@,II.B'=0Y\$,L]UUQIR!'2YI-Z&7\*]I'^HJK%\$`  
====Encrypted-Sender-End====

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Date: 20 Jul 1994 18:27:20 -0500  
From: cs.utexas.edu!not-for-mail@uunet.uu.net  
Subject: HF station wanted  
To: info-hams@ucsd.edu

Greetings! I'm in need of a HF rig for a relative. Something inexpensive like a  
Kenwood 520 or an SB-102 would be great!

73 de Dave, N9UXU  
dave@flowserver.stem.com

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Date: Wed, 20 Jul 94 21:54:23 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: Nikola Tesla - the true father of Radio  
To: info-hams@ucsd.edu

## TESLA

Few people recognize his name today, and even among those who do, the words Nikola Tesla are likely to summon up the image of a crackpot rather than an authentic scientific genius. But were you aware that Tesla was responsible for...

The Alternating Current Dynamo upon which American electricity is based. This AC system, which won out over Edisons DC system at the first major hydroelectric plant at Niagara Falls, and was the source of a lasting enmity between Tesla and Edison.

Arc lighting systems for street and factory use, fluorescent and neon lighting.

The science of Radio, as well as the first interplanetary listening device.

The first Solar Cell, the first radio controlled robots, the first X-Rays, the electric clock, the speedometer, electric refrigeration...

Tad Wises compelling novel resurrects one of the most fascinating fathers of the modern world -- a new Prometheus who toyed with natures mightiest forces, a wizard who harnessed the awesome power of Niagara Falls and learned to hurl lightning bolts like a demigod.

For more information on this novel and for a chance to win a free copy of TESLA, eMail Promobott@aol.com.

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Date: 20 Jul 1994 16:14:37 -0500  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!cs.utexas.edu!  
gerald@cc.utexas.edu!doc@cc.utexas.edu!not-for-mail@network.ucsd.edu  
Subject: OMNI Directional Yagi!!!  
To: info-hams@ucsd.edu

In article <306cv4\$qqd@cville-srv.wam.umd.edu>,  
Scott Richard Rosenfeld <ham@wam.umd.edu> wrote:  
>OK, this idea has been going around in my head for quite some time, so  
>here it goes...  
>

>Take a standard beam Yagi, or an electrically steered phased array.  
>  
>The rotate either the beam or the array (your choice, will call "antenna"  
>from now on) REALLY REALLY fast - so much so that the receiving end  
>can't even tell the antenna's spinning.  
>

OK Scott...but you should use your hose hydraulic pressure to rotate the antenna...Water shoots out the ends of the elements...does your lawn...improves your grounding...and "Shoots" your signal out with greater force in all directions..I think its called the "AquaPlane" antenna...

No Really...Ill give up my own un-patented fleshing out of your idea right here...right now. (someone will grab this and run with it)  
You take your computer controlled phased array verticals...use them as a repeater RX antenna (omni on TX) Upon lack of signals..the processor rapidly rotates the array with PIN diodes at 20RPM or more..When a signal is encountered, the array Auto optimizes the incoming signal by looking at a digitized AGC reading and stores its heading. It also tags the signal by storing either a value representing its exact frequency (discriminator output) or uses a TX fingerprint program on a soundblaster card. The controller then accumulates all the stations positions and starts rotating rapidly..only to those positions...continually auto optimizing and updating the database. Upon loss of signal for a predetermined time...full rotation scan continues.

Any Comments?

Bob AA5PB  
Trustee 145.21 442.15 1292.15 UT Austin  
Chief K00P 91.7 FM

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Date: 21 Jul 94 12:52:43 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Packet Metabeacons from the Shuttle  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-65.018  
Packet Metabeacons from Shuttle

Greenbelt, MD July 21, 1994 at 12:30 UTC

The following is a compilation of some of the packet radio metabeacons copied from the crew on the Space Shuttle Columbia. These were provided by Gil Carman, WA5NOM, and Andy MacAllister, WA5ZIB. The SAREX working group would like to extend its thanks all of you who have provided us feedback and downlink



updates of the packet system during the STS-65 mission.

W5RRR-1>QST [07/12/94 17:17:00] <I S6 R0>:

Hello from KC5HBV and KC5FVF aboard the Space Shuttle Columbia  
We're well into our mission now conducting materials processing and  
life sciences experiments that are paving the way for future operations  
aboard our international space station  
We've talked to schools in Texas, Florida, Hawaii and Germany via SAREX  
and it's been great

17-Jul-94 11:33:16 W5RRR-1\*>QST <I;0,0>:

Hello from KC5HBV and KC5FVF aboard the Space Shuttle Columbia  
We're half way into our mission now conducting materials processing and  
life sciences experiments that are paving the way for future operations  
aboard our international space station  
We've talked to schools in Texas, Florida, Hawaii, Louisiana Germany and  
Japan via Sarex and really enjoyed their enthusiasm for space exploration  
and amateur radio  
Wishing you all the best on the upcoming 25th anniversary of humankinds  
first steps on the Moon

20-Jul-94 10:21:27 W5RRR-1\*>QST <I;0,5>:

Greetings from the SAREX station aboard the space shuttle Columbia.  
The crew of Columbia is privileged and honored on this 25th anniversary  
of one of humankind's greatest achievements to follow in the footsteps  
of our craft's namesake, the command module Columbia, which carried  
Neil Armstrong, Buzz Aldrin and Michael Collins to the moon. We wish all of  
you back on earth who are celebrating this historic anniversary our best  
wishes and hope that the one small step for a man taken 25 years ago, will  
be a giant leap for people of vision as we go on to International Space Station  
and beyond.

21-Jul-94 12:01:17 W5RRR-1\*>QST <I;0,4>:

With the conclusion of this most successful mission, we wish everyone  
on earth the very best and thank you for your support,  
KC5HBV, KC5FVF and the rest of the STS-65 Crew.

21-Jul-94 12:02:17 W5RRR-1\*>QRZ <UI>:

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

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Date: 20 Jul 94 13:11:11 EDT  
From: psinntp!main03!landisj@uunet.uu.net  
Subject: PSI newsfeeds - Was: rec.radio.amatuer.antenna still alive?  
To: info-hams@ucsd.edu

In article <1994Jul15.120359.112@drager.com>, I wrote:  
> I've not seen anything in the rec.radio.amateur.antenna group lately. Has it  
> been renamed, or do I need to look into a feed problem?

OK - Thanks for the replies. My feed, PSI, informed me that they "upgraded"  
their server s/w and some newsgroups got dropped. 000PS. It's been reinstated.  
If you use PSI, you may want to check your feed.  
Oh, and yes, the spelling was ok except in my subject line :)

Joe - AA3GN

--

Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA  
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WB3JOE.#EPA.PA.USA  
Opinions are mine only, and do not reflect those of my employer.  
...Munging Until No Good...

-----  
Date: Wed, 20 Jul 1994 16:29:14 UNDEFINED  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!nntp.msstate.edu!  
nntp.wes.army.mil!EX1.WES.ARMY.MIL!lambj@network.ucsd.edu  
Subject: QST on News Stands?  
To: info-hams@ucsd.edu

In article <30ja44\$apv@wrdis02.robins.af.mil> lakeith@robins.af.mil ( Larry  
CONTRACTOR Keith Mr.) writes:  
>From: lakeith@robins.af.mil ( Larry CONTRACTOR Keith Mr.)  
>Subject: QST on News Stands?  
>Date: 20 Jul 1994 13:51:00 GMT

>Has anyone seen QST for sale at a news stand or other magazine outlet?

>I am curious to see if it will sell.. CQ and 73 are usually available  
>at the book store, here. But, I have yet to see QST..

>73,

>Larry, KQ4BY

I have seen QST on the news stand at Books a Million in Jackson, Mississippi.  
It has a different cover on it and titles of some of the main articles. It is

dated July-August 1994.

Brent, K5VXV

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Date: 21 Jul 94 13:14:36 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: SAREX Keps/Entry Plasma Trail  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-65.019  
SAREX Keps/Plasma Trail

Plasma Trail/Shuttle Reentry

People in the southern U.S. should have a very good view of the Space Shuttle entry plasma trail Friday morning. The prime deorbit opportunity is still on rev 219, which will land at KSC about 10 minutes after sunrise there, and pass over Houston, over College Station and Huntsville at 10:31 UTC, an hour before local sunrise. That should give a plasma arc across the sky with a peak of about 15 deg as seen from Houston. Shuttle landing is planned for 10:39 UTC at the Kennedy Space Center. Keep your eyes peeled!

[info provided by Gil Carman, WA5NOM]

SAREX Keplerian Elements

The following is the official SAREX orbital elements for today. These were generated by Ron Parise, WA4SIR, at the Goddard Space Flight Center, and adjusted to improve the drag term by Gil Carman, WA5NOM, of the Johnson Space Center.

STS-65  
1 23173U 94039A 94202.29299650 0.00060047 00000-0 23046-3 0 457  
2 23173 28.4656 273.5071 0003567 85.8991 274.2028 15.91315128 2020

Satellite: STS-65

Catalog number: 23173

Epoch time: 94202.29299650 (21 JUL 94 07:01:54.90 UTC)

Element set: GSFC-045a

Inclination: 28.4656 deg

RA of node: 273.5071 deg Space Shuttle Flight STS-65

Eccentricity: 0.0003567 Keplerian Elements

Arg of perigee: 85.8991 deg

Mean anomaly: 274.2028 deg

Mean motion: 15.91315128 rev/day Semi-major Axis: 6676.7339 Km

Decay rate: 6.0047E-04 rev/day\*2 Apogee Alt: 300.73 Km  
Epoch rev: 202 Perigee Alt: 295.96 Km

NOTE - This element set is based on NORAD element set # 045.  
The spacecraft has been propagated to the next ascending  
node, and the orbit number has been adjusted to bring it  
into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

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Date: 20 Jul 1994 19:45:05 GMT  
From: europa.eng.gtefsd.com!howland.reston.ans.net!agate!kennish@uunet.uu.net  
Subject: Sister-in-law gets license quickly  
To: info-hams@ucsd.edu

In article <Ct90yn.D8M@ra.nrl.navy.mil>,  
David Drumheller <drumhell@claudette.nrl.navy.mil> wrote:  
> My sister-in-law just received her license. Callsign: N3SYE. She  
>passed her exam on 27 May, and the license arrived in the mail on 20 July.  
>That's a 54 day delay (about eight weeks).  
>  
> Given the recent posts claiming 17 week delays, this was very quick.  
>Anybody know why?

Perhaps she's a FOB (Friend of Bill)? Is she from  
Arkansas? Related to a Member of Congress? Donated  
a lot of money?

Sorry, couldn't resist....

-Ken

-----  
Date: 20 Jul 1994 19:41:55 GMT  
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!news.clark.edu!  
netnews.nwnet.net!news.u.washington.edu!cummings@network.ucsd.edu  
To: info-hams@ucsd.edu

References <philkeys-150794151242@ptpm001.olympus.net>, <D>,  
<Ct7EF5.1H0@ncrcae.columbiasc.ncr.com>.edu  
Subject : Re: 17 weeks to upgrade!

In article <Ct7EF5.1H0@ncrcae.columbiasc.ncr.com>,  
Tom Skelton <Tom.Skelton@ClemsonSC.NCR.COM> wrote:

>Anyone knows if it takes this long just to do a simple address change?  
>Do all 610's go in the same pile? tnx..73, Tom WB4iux  
>(Tom.Skelton@ClemsonSC.NCR.COM)

Nope. Last address change I did took 3 weeks.

--

Mike Cummings NX7E cummings@u.washington.edu  
"Like jewels in a crown, the precious stones glittered in the Queen's  
round metal hat." - Jack Handey

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Date: 21 Jul 1994 02:44:16 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!news.tek.com!soul.tv.tek.com!  
johnr@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1994Jul19.014211.4853@ulb.isc.rit.edu>, <Ct8n5H.186@irony.com>,  
<94201.17385232DKUZ3@CMUVM.CSV.CMICH.EDU>p  
Subject : Re: Is there an ATV newsgroup?

Me too. BTW, there is a fair amount of ATV activity in the Portland area. We  
have an ATV repeater on the air with 426.25 MHz input and 1277.25 MHz output.  
There are two scheduled ATV nets every week, Mondays at 7pm and Saturdays at  
11am. Non-video checkins are welcome on 146.25 MHz (2m simplex).

73,

John Reynolds NZ7J

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End of Info-Hams Digest V94 #822  
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